

1 What is claimed is:

2 1. A process for creating a ballistic resistance protection zone achieving higher
3 Underwriters Laboratory listed levels of ballistic resistance, from rows of sheets of UL listed
4 Level 1, Level 2 and Level 3 ballistic resistant fibreglass which process comprises:

- 5 a. Determining the UL level of protection desired of ballistic resistance;
6 b. determining the thickness of a single monolithic panel of UL listed ballistic fibreglass
7 listed by UL as achieving the desired level of resistance of a specific manufacturer;
8 c. adding the sums of the nominal thicknesses of a plurality of sheets of ballistic
9 fibreglass of the same specific manufacturer which fibreglass sheets are listed by UL as being any
10 and all of UL listed Levels 1, 2 and 3, of the same manufacturer; and
11 d. if the sum of the thicknesses of the said plurality of sheets is at least equal to the
12 nominal thickness of the monolithic panel affording the level of ballistic protection desired, then
13 installing the individual sheets in a staggered formation such that the adjacent abutment of any
14 two adjoining sheets in a first row is spaced laterally from the lateral abutment of adjoining
15 sheets in any other row.

16 2. The process of claim 1 wherein the desired level of protection is Level 4 and the sum
17 of the thicknesses of the plurality of sheets of UL listed Level 1, 2, and 3, ballistic fibreglass is
18 at least the thickness of a monolithic panel of ballistic fibreglass of the same manufacturer of the
19 same UL level.

20 3. The process of claim 1 wherein the desired level of protection is Level 5 and the sum
21 of the thicknesses of the plurality of sheets of UL listed Level 1, 2, and 3, ballistic fibreglass is
22 at least the thickness of a monolithic panel of ballistic fibreglass of the same manufacturer of the
23 same UL level.

24 4. The process of claim 1 wherein the desired level of protection is Level 8 and the sum
25 of the thicknesses of the plurality of sheets of UL listed Level 1, 2, and 3, ballistic fibreglass is
26 at least the thickness of a monolithic panel of ballistic fibreglass of the same manufacturer of the
27 same UL level.

28 5. The process of claim 1 wherein if sheets of more than one level of ballistic fibreglass
29 are used in preparing the protection zone, including the step of placing the sheets of the highest
30 UL listing level toward the interior of the protection zone.

31 6: A zone of ballistic resistant zone of protection wall having a ballistic resistance level
32 of any of UL Levels 4, 5, and 8 comprising a plurality of rows of adjacent abutted sheets of UL
33 listed ballistic fibreglass of fibreglass sheets having a UL listing of any of UL Level 1, UL Level

1 2, and UL Level 3 wherein the abutment of any two sheets of fibreglass is spaced from the
2 abutment of any two sheets in any other row;

3 said rows of sheets being fastened together by conventional fasteners through all the rows
4 of ballistic fibreglass.

5 7. The zone of protection of claim 6 wherein the rows of fibreglass are fastened directly
6 to conventionally spaced studs without the use of battens behind the rearmost row.

7 8. The zone of protection of claim 6 wherein the rows are formed of at least two different
8 levels of UL listed ballistic fibreglass, and wherein the highest level listed row(s) are disposed
9 toward the interior of the protection zone.

10 9. The zone of protection of claim 8 wherein the fibreglass sheets are a combination of
11 Levels 1 and 2 and the Level 2 sheets are placed toward the interior of the zone of protection.

12 10. The zone of protection of claim 8 wherein UL listed sheets of Levels 1, 2, and 3 are
13 employed in the construction of the protection zone.

